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PASSWORD:

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500,000 in Key STN Databases
NEWS 3 APR 02 PATDPAFULL: Application and priority number formats
enhanced
NEWS 4 APR 02 DWPI: New display format ALLSTR available
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NEWS 14 JUN 21 Access an additional 1.8 million records exclusively
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NEWS 15 JUN 28 Introducing "CAS Chemistry Research Report": 40 Years
of Biofuel Research Reveal China Now Atop U.S. in
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NEWS 16 JUN 29 Enhanced Batch Search Options in DGENE, USGENE,
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NEWS 17 JUL 19 Enhancement of citation information in INPADOC
databases provides new, more efficient competitor
analyses
NEWS 18 JUL 26 CAS coverage of global patent authorities has
expanded to 61 with the addition of Costa Rica
NEWS 19 SEP 15 MEDLINE Cited References provide additional
relevant records with no additional searching.
NEWS 20 OCT 04 Removal of Pre-IPC 8 data fields streamlines
displays in USPATFULL, USPAT2, and USPATOLD.
NEWS 21 OCT 04 Precision of EMBASE searching enhanced with new
chemical name field
NEWS 22 OCT 06 Increase your retrieval consistency with new formats or
for Taiwanese application numbers in CA/CAplus.
NEWS 23 OCT 21 CA/CAplus kind code changes for Chinese patents
increase consistency, save time
NEWS 24 OCT 22 New version of STN Viewer preserves custom

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| | | |
|---------|--------|--|
| NEWS 25 | OCT 28 | Saves time, reduces errors.
INPADOCDB/INPAFAMDB: Enhancements to the US national patent classification. |
| NEWS 26 | NOV 03 | New format for Korean patent application numbers in CA/Cplus increases consistency, saves time. |
| NEWS 27 | NOV 04 | Selected STN databases scheduled for removal on December 31, 2010 |

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 07 JULY 2010.

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STRUCTURE FILE UPDATES: 14 NOV 2010 HIGHEST RN 1252988-50-3
DICTIONARY FILE UPDATES: 14 NOV 2010 HIGHEST RN 1252988-50-3

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

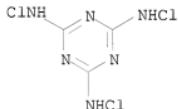
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stn/gen/stndoc/properties.html>

=> s trichloromelamine
L1 1 TRICHLOROMELAMINE

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2010 ACS on STN
RN 7673-09-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1,3,5-Triazine-2,4,6-triamine, N2,N4,N6-trichloro- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,3,5-Triazine-2,4,6-triamine, N,N',N''-trichloro- (9CI)
CN Melamine, N2,N4,N6-trichloro- (6CI, 7CI, 8CI)
OTHER NAMES:
CN N,N',N''-Trichloromelamine
CN NSC 96963
CN Trichloromelamine
MF C3 H3 Cl3 N6
CI COM
LC STN Files: AQUIRE, BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, IFICDB, IFIPAT, IFIUDB, MSDS-OHS,
PRMT, RTECS*, TOXCENTER, USPAT2, USPATFULL, USPATOLD
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMFILE for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

138 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
138 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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=> file caplus
COST IN U.S. DOLLARS
SINCE FILE      TOTAL
ENTRY          SESSION
12.99          13.21

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FILE 'CAPLUS' ENTERED AT 11:58:37 ON 15 NOV 2010
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FILE COVERS 1907 - 15 Nov 2010 VOL 153 ISS 21
FILE LAST UPDATED: 14 Nov 2010 (20101114/EP)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> s 11
L2      138 L1

=> s 12 and (animal or poultry)
    1723271 ANIMAL
    536108 ANIMALS
    2109830 ANIMAL
        (ANIMAL OR ANIMALS)
    38231 POULTRY
    54 POULTRIES
    38259 POULTRY
        (POULTRY OR POULTRIES)
L3      13 L2 AND (ANIMAL OR POULTRY)

=> dup rem 13
PROCESSING COMPLETED FOR L3
L4      13 DUP REM L3 (0 DUPLICATES REMOVED)

=> d 14 1-13 ibib abs

L4  ANSWER 1 OF 13  CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2008:71535 CAPLUS
DOCUMENT NUMBER: 148:137596
TITLE: Compositions and methods for reducing or preventing
microorganism growth or survival in aqueous
environments
INVENTOR(S): Burwell, Steve R.; Busch, Fredrick
PATENT ASSIGNEE(S): Byocoat Enterprises, Inc., USA
SOURCE: PCT Int. Appl., 76pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

  PATENT NO.      KIND     DATE      APPLICATION NO.      DATE
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WO 2008008362      A2  20080117      WO 2007-US15769      20070711
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,
KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,
PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,
GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
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BY, KG, KZ, MD, RU, TJ, TM
 CA 2657579 A1 20080117 CA 2007-2657579 20070711
 MX 2009000461 A 20090812 MX 2009-461 20090112
 PRIORITY APPLN. INFO.: US 2006-830078P P 20060711
 WO 2007-US15769 W 20070711

AB Disclosed are antimicrobial compns. and methods for using such compns. to reduce, prevent, or eliminate microorganisms in aqueous environments such as recreational, industrial, and agricultural waters. The antimicrobial compns. comprise any two components selected from the group consisting of an aliphatic heteroaryl salt, trichloromelamine, an aliphatic benzylalkylammonium salt, a dialiph. dialkylammonium salt, and a tetraalkylammonium salt, wherein when two of the listed components are present, the others are not. Thus, an antimicrobial composition was prepared that contained cetylpyridinium chloride 7.5, alkylidimethylbenzylammonium chloride 0.1, trichloromelamine 0.1, cetyltrimethylammonium chloride 0.1, and water 92.2 parts by weight to study effects on pathogenic, indicator, and spoilage populations of bacteria associated with broiler chicken carcasses. The antimicrobial composition was effective for reducing populations of *Salmonella*, *Listeria*, *Staphylococcus*, and *Shewanella* when used in combination with poultry scalding water applications, with a substantial reduction for *Escherichia coli* and *Pseudomonas fluorescens*. In comparison, a control solution prepared by admixing cetylpyridinium chloride 7.5 and water 92.5 parts by weight eliminated markedly fewer of any of these microorganisms.

L4 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2007:281956 CAPLUS
 DOCUMENT NUMBER: 146:315567
 TITLE: Antimicrobial solutions and process related thereto
 INVENTOR(S): Burwell, Steve; Busch, Fred
 PATENT ASSIGNEE(S): Bycoat Enterprises, Inc., USA
 SOURCE: PCT Int. Appl., 79pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2007030104 | A1 | 20070315 | WO 2005-US31563 | 20050903 |
| W: AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| AU 2005336108 | A1 | 20070315 | AU 2005-336108 | 20050903 |
| CA 2621459 | A1 | 20070315 | CA 2005-2621459 | 20050903 |
| EP 1931209 | A1 | 20080618 | EP 2005-808425 | 20050903 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| JP 2009506771 | T | 20090219 | JP 2008-528995 | 20050903 |
| BR 2005020510 | A2 | 20090512 | BR 2005-20510 | 20050903 |
| MX 2008003021 | A | 20080404 | MX 2008-3021 | 20080303 |
| IN 2008DN02778 | A | 20080725 | IN 2008-DN2778 | 20080403 |

KR 2008082602 A 20080911 KR 2008-7008110 20080403
 CN 101316516 A 20081203 CN 2005-80051961 20080428
 PRIORITY APPLN. INFO.: WO 2005-US31563 A 20050903
 AB Antimicrobial compns. are formulated for treating poultry and meat to eliminate bacteria and microorganisms harmful to consumers. The compns. include various combinations of an aliphatic heteroaryl salt, an aliphatic benzylalkyl ammonium salt, a dialiph. dialkyl ammonium salt, a tetraalkyl ammonium salt and/or trichloromelamine. Thus, a solution may contain 7.5% cetylpyridinium chloride, 0.1% alkyl di-Me benzyl ammonium chloride, 0.1% trichloromelamine, 0.1% cetyl tri-Me ammonium chloride, and 92.2% water.
 OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
 REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2006:116959 CAPLUS
 DOCUMENT NUMBER: 144:194232
 TITLE: Stable nonaqueous bleaching detergent composition dispersion
 INVENTOR(S): Baars, Evert Ids; Pataridze, Lali; Simpson, William Edward
 PATENT ASSIGNEE(S): Johnsondiversey, Inc., USA
 SOURCE: PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 2006014223 | A1 | 20060209 | WO 2005-US21160 | 20050615 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MM, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| EP 1614741 | A1 | 20060111 | EP 2004-103183 | 20040706 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR | | | | |
| AU 2005270162 | A1 | 20060209 | AU 2005-270162 | 20050615 |
| CA 2572500 | A1 | 20060209 | CA 2005-2572500 | 20050615 |
| EP 1778827 | A1 | 20070502 | EP 2005-759218 | 20050615 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| CN 1977037 | A | 20070606 | CN 2005-80021250 | 20050615 |
| JP 20080506005 | T | 20080228 | JP 2007-520321 | 20050615 |
| BR 2005012726 | A | 20080408 | BR 2005-12726 | 20050615 |
| MX 2006015110 | A | 20070327 | MX 2006-15110 | 20061219 |
| KR 2007028521 | A | 20070312 | KR 2007-7000307 | 20070105 |
| US 200802633778 | A1 | 20081030 | US 2008-570425 | 20080107 |
| PRIORITY APPLN. INFO.: | | | EP 2004-103183 | A 20040706 |
| | | | US 2004-585619P | P 20040706 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The invention pertains to a nonaq. bleaching detergent composition comprising:
 (a) a solid bleaching agent in an amount from 20% to 85%, the solid
 bleaching agent being a hypochlorite-liberating agent, (b) a thickening
 agent in an amount from 0.1 to 10%, wherein the thickening agent is a mixture
 of clay and polymer in a ratio of clay:polymer of 1:10 to 10:1, (c) a
 thickening agent activator in an amount of up to 0.3%, (d) an auxiliary
 compound in an amount from 0 to 23%, and (e) a nonaq. liquid in an amount of at
 least 14.9% which is chemical inert to the bleaching agent and wherein the
 solubility of the bleaching agent is less than 10 mg/L, the nonaq. liquid being
 selected from vegetable oils, mineral oils, synthetic oils, or
 animal oils including fish oils, and admixts. thereof.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:492180 CAPLUS

DOCUMENT NUMBER: 144:487667

TITLE: Antimicrobial solutions and process related thereto
 INVENTOR(S): Burwell, Steve R.; Busch, Fredrick

PATENT ASSIGNEE(S): Byocoat Enterprises, Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 36 pp.

CODEN: USXKC0

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|-------------|
| US 20060110506 | A1 | 20060525 | US 2005-218956 | 20050903 |
| WO 2004077954 | A1 | 20040916 | WO 2004-US6599 | 20040305 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,
MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 20090192165 | A1 | 20090730 | US 2009-418230 | 20090403 |
| PRIORITY APPLN. INFO.: | | | US 2003-451678P | P 20030305 |
| | | | US 2003-507949P | P 20031003 |
| | | | WO 2004-US6599 | A2 20040305 |
| | | | US 2005-218956 | B1 20050903 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Antimicrobial compns. were prepared for treating poultry and meat
 to substantially eliminate bacteria and microorganism harmful to human.
 The compns. include various combinations of an aliphatic heteroaryl salt, an
 aliphatic benzylalkyl ammonium salt, a dialiph. dialkyl ammonium salt, a
 tetraalkyl ammonium salt and/or trichloromelamine. Thus, the
 antimicrobial composition contains cetylpyridinium chloride 7.5, alkyl di-Me
 benzyl ammonium chloride 0.1, trichloromelamine 0.1, cetyl tri-Me ammonium
 chloride 0.1 and water 92.2 weight%.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
 (1 CITINGS)

L4 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:141200 CAPLUS

DOCUMENT NUMBER: 142:254568

TITLE: Methods and compositions for increasing the efficacy

of biologically-active ingredients such as antitumor
 agents
 INVENTOR(S): Windsor, J. Brian; Roux, Stan J.; Lloyd, Alan M.;
 Thomas, Collin E.
 PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA
 SOURCE: PCT Int. Appl., 243 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|------------|
| WO 2005014777 | A2 | 20050217 | WO 2003-US32667 | 20031016 |
| WO 2005014777 | A3 | 20050915 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2502148 | A1 | 20050217 | CA 2003-2502148 | 20031016 |
| AU 2003304398 | A1 | 20050225 | AU 2003-304398 | 20031016 |
| EP 1576150 | A2 | 20050921 | EP 2003-816736 | 20031016 |
| EP 1576150 | A3 | 20051102 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| US 20060276339 | A1 | 20061207 | US 2006-531744 | 20060123 |
| PRIORITY APPLN. INFO.: | | | US 2002-418803P | P 20021016 |
| | | | WO 2003-US32667 | W 20031016 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The invention provides methods and compns. for modulating the sensitivity
 of cells to cytotoxic compds. and other active agents. In accordance with
 the invention, compns. are provided comprising combinations of
 ectophosphatase inhibitors and active agents. Active agents include
 antibiotics, fungicides, herbicides, insecticides, chemotherapeutic
 agents, and plant growth regulators. By increasing the efficacy of active
 ingredients, the invention allows use of compns. with lowered concns. of active

OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD
 (9 CITINGS)
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 20051292830 CAPLUS

DOCUMENT NUMBER: 144:35595

TITLE: Antimicrobial solutions comprising an aliphatic
 heteroaryl salt, trichloromelamine and ammonium salts
 for disinfecting meat and other surfaces.

INVENTOR(S): Burwell, Steve R.; Busch, Fred

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 34 pp., Cont.-in-part of Appl.
 No. PCT/US04/006599.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|-------------|
| US 20050271781 | A1 | 20051208 | US 2005-181131 | 20050713 |
| WO 2004077954 | A1 | 20040916 | WO 2004-US6599 | 20040305 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,
MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| PRIORITY APPLN. INFO.: | | | US 2003-451678P | P 20030305 |
| | | | US 2003-507949P | P 20031003 |
| | | | WO 2004-US6599 | A2 20040305 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Disclosed are antimicrobial compns. for treating poultry, meat, and other surfaces to substantially eliminate bacteria and microorganism harmful to humans. The compns. include a combination of an aliphatic heteroaryl salt, trichloromelamine, and at least two ammonium salts comprising an aliphatic benzylalkyl ammonium salt, dialiph. dialkyl ammonium salt, or a tetraalkyl ammonium salt.

L4 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:281689 CAPLUS

DOCUMENT NUMBER: 142:354335

TITLE: Process for sanitizing animal carcasses with a biocide

INVENTOR(S): Schneider, David J.; Schneider, Charles A.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 5 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|------------|
| US 20050069623 | A1 | 20050331 | US 2004-944929 | 20040920 |
| PRIORITY APPLN. INFO.: | | | US 2003-506710P | P 20030926 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Animal carcasses which are destined for butchering are more often than not contaminated with bacteria. This invention is concerned with a process for sanitizing carcasses prior to butchering. To sanitize the carcass thickened solns. of a biocide are sprayed on to the carcass; the preferred solns. for sanitizing the carcass in accordance with this invention have biocide concns. of about 200 ppm. Treating solns. for use in this invention may further incorporate a coloring agent, wetting agent, surfactants, healing agents, dyes, etc. Time of contact on hide is important. The process of this invention is fast acting and is effective against a wide spectrum of bacteria. After treatment, in accordance with this invention the carcass of the animal has a substantially reduced bacteria count and hence bacterial contamination of the meat produced by the carcass is minimized. The preferred biocide is trichloromelamine (TCM). Polyethylene oxide may be used as a thickening agent.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

L4 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2005:238408 CAPLUS
 DOCUMENT NUMBER: 142:285248
 TITLE: Process for cleaning bovine teats comprising trichloromelamine
 INVENTOR(S): Schneider, David J.; Schneider, Charles A.
 PATENT ASSIGNEE(S): H&S Chemical Company, Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 4 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------------|------|----------|-----------------|----------|
| US 20050058615 | A1 | 20050317 | US 2003-732640 | 20031210 |
| US 7344727 | B2 | 20080318 | | |

PRIORITY APPLN. INFO.: US 2002-434046P P 20021218
 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 AB Animals have been domesticated and kept as a source of milk for tens of thousands of years, when humans keep animals for their ability to produce milk, the animals are usually kept in confined spaces. As a result of this confinement the animals are exposed to high levels of urine and fecal matter which originated with the animals which are being kept. This exposure contaminates the animal and in particular the udder and teats of the animal, with bacteria. In the milking process this bacteria can further contaminate the milk which is destined for human consumption. The bacteria can further cause mastitis in the bovine. The above set forth problems are eliminated in the subject invention wherein the udder and teat areas of the bovine are sanitized with a solution of trichloromelamine. The concentration of trichloromelamine, in said solution, is from about 50 to about

500 ppm.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
 (1 CITINGS)
 REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2004:756596 CAPLUS
 DOCUMENT NUMBER: 141:259721
 TITLE: Antimicrobial solution and process
 INVENTOR(S): Burwell, Steve R.; Busch, Fred; Russell, Scott M.
 PATENT ASSIGNEE(S): Byocoat LLC, USA
 SOURCE: PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2004077954 | A1 | 20040916 | WO 2004-US6599 | 20040305 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, | | | | |

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|--|----|----------|-----------------|-------------|
| BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,
MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2004218353 | A1 | 20040916 | AU 2004-218353 | 20040305 |
| BR 2004008099 | A | 20060214 | BR 2004-8099 | 20040305 |
| JP 200619618 | T | 20060831 | JP 2006-509127 | 20040305 |
| US 20050271781 | A1 | 20051208 | US 2005-181131 | 20050713 |
| US 20060110506 | A1 | 20060525 | US 2005-218956 | 20050903 |
| MX 2005009507 | A | 20060310 | MX 2005-9507 | 20050905 |
| US 20090192165 | A1 | 20090730 | US 2009-418230 | 20090403 |
| PRIORITY APPLN. INFO.: | | | US 2003-451678P | P 20030305 |
| | | | US 2003-507949P | P 20031003 |
| | | | WO 2004-US6599 | A 20040305 |
| | | | US 2005-218956 | B1 20050903 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Disclosed is an antimicrobial solution for treating poultry and meat to substantially eliminate bacteria and microorganisms harmful to humans. The aqueous solution includes effective amt.s. of a combination of ≥2 quaternary ammonium salts, an ammonium halide, trichloromelamine, and water. The combination of the quaternary ammonium salt can be selected among cetylpyridinium chloride, N-alkyl di-Me benzyl ammonium chloride, and alkyl di-Me Et benzyl ammonium chloride.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2004:162197 CAPLUS
 DOCUMENT NUMBER: 140:204147
 TITLE: Process for treating animal habitats
 INVENTOR(S): Schneider, David J.
 PATENT ASSIGNEE(S): H. & S. Chemical Company, Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 5 pp., Cont.-in-part of U.S.
 Ser. No. 909,707.
 CODEN: USXSC0
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------------|-------|----------|-----------------|----------|
| ----- | ----- | ----- | ----- | ----- |
| US 20040037800 | A1 | 20040226 | US 2003-648993 | 20030827 |
| US 6616892 | B2 | 20030909 | US 2001-909707 | 20010720 |

PRIORITY APPLN. INFO.: US 2001-909707 A2 20010720

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB This invention deals with a process for treating and sanitizing animal habitats. In addition to sanitizing the habitat the production of ammonia and odor from fecal matter and urine is inhibited or terminated. In the process an animal habitat is cleaned and subsequently treated with trichloromelamine (TCM). The TCM may be applied by spraying the habitat with a solution of TCM, by dusting the habitat with powdered TCM or by treating bedding/litter with TCM. This process produces healthier animals and as such the productivity of a given grow out is increased. The process of this invention is particularly suited to animal habitats which are used to raise batches of hogs, cattle, turkeys and chickens on a continuing basis. The process of this invention further reduces the bacteria count of the animal habitat.

L4 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2002:466521 CAPLUS
 DOCUMENT NUMBER: 137:51561
 TITLE: Process for treating animal habitats with

INVENTOR(S): Schneider, David J.; Bell, Jerry K.
PATENT ASSIGNEE(S): H & S Chemical Co., Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 8 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------------|------|----------|-----------------|----------|
| US 20020076348 | A1 | 20020620 | US 2001-974159 | 20011009 |
| US 6749804 | B2 | 20040615 | | |

PRIORITY APPLN. INFO.: US 2000-243798P P 20001030

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB This invention deals with a process for treating and sanitizing animal habitats. In addition to sanitizing the habitat the production of NH₃ and odor from fecal matter and urine is inhibited or terminated. In the process an animal habitat is cleaned and subsequently treated with trichloromelamine (TCM). The TCM may be applied by spraying the habitat with a solution of TCM, by dusting the habitat with powdered TCM or by treating bedding/litter with TCM. This process produces healthier animals and as such the productivity of a given grow out is increased. The process of this invention is particularly suited to animal habitats which are used to raise batches of hogs, cattle, turkeys and chickens on a continuing basis. The TCM may be further incorporated into H₂O soluble polymeric compns. which permit the TCM to be leached out in a controlled manner. Further the TCM may be incorporated into cellular and noncellular polymeric compns. which may be used as bedding/litter material, and cat litter.

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
(2 CITINGS)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1977:151443 CAPLUS
DOCUMENT NUMBER: 86:151443
ORIGINAL REFERENCE NO.: 86:23751a,23754a
TITLE: New chemosterilants for boll weevils
AUTHOR(S): Haynes, Jack W.; Mattix, Essie; Mitlin, Norman;
Borkovec, A. B.; Lindig, O. H.
CORPORATE SOURCE: Boll Weevil Res. Lab., ARS, Mississippi State, MS, USA
SOURCE: U. S., Agric. Res. Serv., South. Reg., [Rep.] (1976),
ARS-S-131, 30 pp.
CODEN: XAGSBY

DOCUMENT TYPE: Report
LANGUAGE: English

AB Of 295 candidate chemosterilants tested against the boll weevil (*Anthonomus grandis*) adults in the laboratory, 0.1-1% N-fluoren-2-yacetohydroxamic acid, 0.1-1.5% 1-nitro-3-[(2-pyridinylmethylene)amino]guanidine, 0.1-0.4% 1,9-nonanediol dimethanesulfonate, and 0.005-0.007% P,P-bis(1-aziridinyl)-N-ethyl phosphinothioic amide [32364-85-5] were the most effective sterilants of both males and females, decreasing the number of eggs laid in crosses with nontreated animals and decreasing the adult emergence to 15%. The compds. showed low toxicity, causing only a ≤33% mortality of the treated parents during 7 days following the treatment.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

L4 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1969:480164 CAPLUS
DOCUMENT NUMBER: 71:80164
ORIGINAL REFERENCE NO.: 71:14815a,14818a
TITLE: Comparative effects of chloramines on a range of
nematodes
AUTHOR(S): Viglierchio, David R.; Croll, N. A.
CORPORATE SOURCE: Univ. of California, Davis, CA, USA
SOURCE: Journal of Nematology (1969), 1(1), 35-9
CODEN: JONEB5; ISSN: 0022-300X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Chloramine-T (Na p-toluenesulfone chloramide) was a good surface sterilant
for *Ditylenchus dipsaci*, however it was somewhat nematicidal. These
properties were presumably associated with its properties as an oxidizing
chlorine. Other chloramines tested were also toxic. Its possible use as
a nematicide is suggested in relation to dosage and phytotoxicity. The
comparative effects of chloramines on a wide range of free-living soil
nematodes and free-living infective larvae of animal parasitic
forms are included.

=> d his

(FILE 'HOME' ENTERED AT 11:51:40 ON 15 NOV 2010)

FILE 'REGISTRY' ENTERED AT 11:51:50 ON 15 NOV 2010
L1 1 S TRICHLOROMELAMINE

FILE 'CAPLUS' ENTERED AT 11:58:37 ON 15 NOV 2010
L2 138 S L1
L3 13 S L2 AND (ANIMAL OR POULTRY)
L4 13 DUP REM L3 (0 DUPLICATES REMOVED)

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 46.42 | 59.63 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | -11.05 | -11.05 |

STN INTERNATIONAL LOGOFF AT 12:00:24 ON 15 NOV 2010